

Example	Structure	Falcipain 2 Ki (nM)	Cruzidin Ki nM	Rhodazalin Ki (nM)	Leishmania L Ki nM	Leishmania B Ki nM	Schistosoma B 1 Ki nM	Schistosoma B 2 Ki nM
1			58					
2			44					
3			3					
4							100	320
5				34				
6					21			
7						23		
8							8	

Table 1
 IC_{50} (nM) of Compounds 9–16 against *S. Typhimurium* at 100 °C

9		Chiral	65						
10		Chiral							
				82					
11		Chiral							
12		Chiral	100						
13		Chiral							
			16						
14		Chiral							
15		Chiral							
			32						
16		Chiral							
			67						
				24					
					6.1				
					5.5				

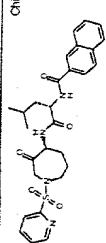
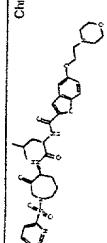
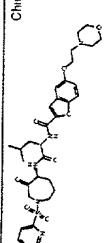
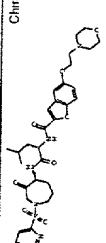
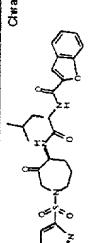
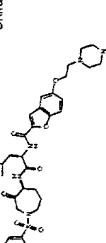
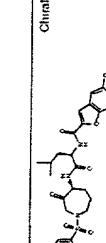
17		Chiral			8.3		
18		Chiral			6.3		
19		Chiral			2		
20		Chiral			8		
21		Chiral			10	3.8	3.2
22		Chiral				14	
23		Chiral				14	

Table I

24	Chiral		23					
25	Chiral		8.3	8				
26	Chiral		9.4	8.1				
27	Chiral				13			
28	Chiral				24			
29	Chiral					11		
30	Chiral						17	10
31	Chiral						7.2	5

Table 1
Chiral Compounds

32	 Chiral	17			
33	 Chiral	14			
34	 Chiral	2.6			
35	 Chiral	12	2.6		
36	 Chiral	96			
37	 Chiral	8.5	9.1		
38	 Chiral	33	4.5		

Table 1
Spectral Data (CDCl₃, 100 °C)

39		Chiral	3.9	7.4	2.2			
40		Chiral	4.5	2.3	2			
41		Chiral				2.9		
42		Chiral	5.3	2	1.8			
43		Chiral			3.6	4.9		
44		Chiral			11	7.2		
45		Chiral	5.7	4.1	2.8			
46		Chiral	5.3	6.1	3.6			

Table 11. 5% α -Pinene Zeolite

47		Chiral		13	2.7			
48		Chiral		19	4.2			
49		Chiral		5.6	3.1			
50		Chiral		10	2.1			
51		Chiral		5.1	6.4	3		
52		Chiral		6.1	48	3.3		
53		Chiral			10	6.8		
54		Chiral		7.8	5.2	4.1		
55		Chiral		12	7.3			

Table 1

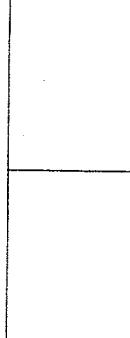
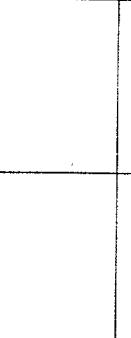
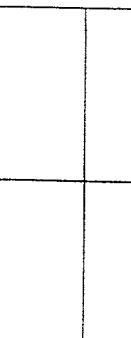
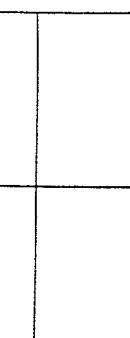
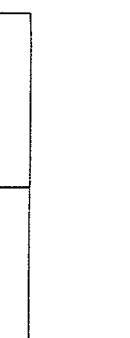
56		Chiral		7.8			
57		Chiral		10	5.4		
58		Chiral		7.1	3.6	3.1	
59		Chiral		3.4	3.4	2.4	
60		Chiral			9.8		
61		Chiral			40		
62		Chiral			11	5.3	
63		Chiral			9.8	5.9	
64		Chiral			6.2	4.1	2.7

Table 1
Enantioselectivity of Compound 65

65		Chiral	8.1			
66		Chiral	10	5.1		
67		Chiral	11			
68		Chiral	3.1	3.3	0.93	
69		Chiral	5.6	3.3	2.2	
70		Chiral		6.6	5.5	
71		Chiral		9	5.9	
						330

Table 20: IC_{50} Values of Compounds 72-79

72		Chiral			9.9		
73		Chiral	5.2				
74		Chiral		24			
75		Chiral			7.5		
76		Chiral				14	5.4
77		Chiral				15	7.9
78		Chiral				7.1	4.4
79		Chiral				16	8

Table 1
Spectral Data of Compounds 80-87

80		Chiral	15					
81		Chiral	7.2					
82		Chiral	17					
83		Chiral				61	230	
84		Chiral				160	1100	
85		Chiral				45	130	
86		Chiral	23			44	260	
87		Chiral	42	3	1.9	44	260	

88		Chiral						77	140
89		Chiral	11					34	130
90		Chiral						3.3	48
91		Chiral							71
92		Chiral							
93		Chiral							
94		Chiral						8.6	9.4
95		Chiral						11	

Table 1
Chiral 6-Substituted 2,4-dihydro-3H-1,3-furanone

96		Chiral		8.7				
97		Chiral	4	2.7				
98		Chiral	5.8	5.2	3.9			
99		Chiral	7.8	5.1				
100		Chiral	6.4	2.5	2.5			
101		Chiral				11		
102					3.7			
103						60		

104		13	3.2			76	270
105		8.4	13	5.3			
106		16	5.8				
107		5.9					
108		20				9.4	34
109						31	120
110		9.6	7.4	8.3		38	280
111				18			

Table 1
2D F₁ F₂ F₃ F₄ F₅ F₆ F₇ F₈ F₉ F₁₀ F₁₁

112		Chiral			8.5					
113		Chiral			7.8					
114		Chiral			14					
115		Chiral			14					
116		Chiral			4.4	3.2				
117		Chiral			6.8	14	5.2			
118		Chiral			18					
119		Chiral			8.1			5.1		

Table 1
Chiral Compounds

120		Chiral	9.9	11		
121		Chiral	11			
122		Chiral	8.8			
123		Chiral	31			
124		Chiral	4.9	2	2.2	
125		Chiral	19	4	4.1	
126		Chiral	4.3	3.8		
127		Chiral	8.1	2.8	4.7	

Table 1. The effect of different concentrations of Fe^{2+} on the reduction of $\text{Cr}_2\text{O}_7^{2-}$.

Table 1
Chemical structures and properties of compounds 136-143.

136		12			41	170
137		19			67	380
138		5.6			64	230
139					68	280
140					50	400
141					2.4	5.2
142					5.7	6.5
143					55	110

Table 1
Chemical Structures and δ_{CDCl_3} Values

144		Chiral	6.2	5.5	8.6			
145		Chiral			9.4			
146		Chiral		6.2				
147		Chiral		6.7				
148		Chiral		7.5				
149		Chiral			8.2	23		
150		Chiral			9.1	6.3		
151		Chiral			5.4	3.7		
					7.1	6.1		

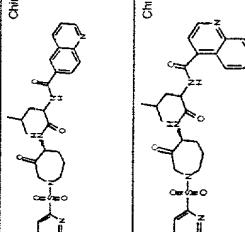
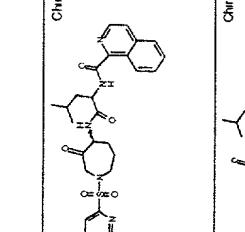
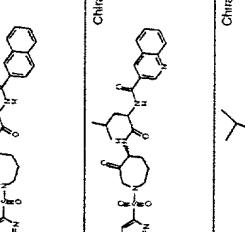
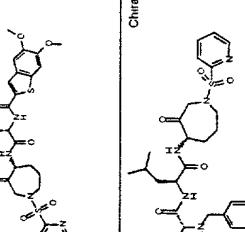
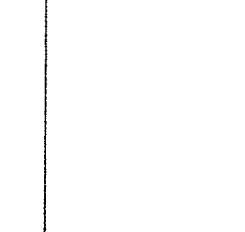
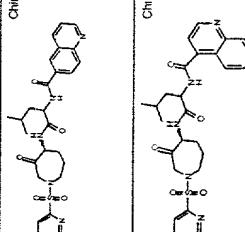
152		Chiral	3.1	2	1.6		
153		Chiral	4.5	2.4	1.6		
154		Chiral	4.4	4.4			
155		Chiral	6.1	4.1	3		
156		Chiral	6.2	4.1	2.6		
157		Chiral	3.5	8.3	3.8		
158		Chiral	-	-	6.8		

Table 1-2
Chemical structures and HPLC data of compounds 159-166

			3.4	4.5	1.4	4.7	2.8
159		Chiral					
160		Chiral	7.4	6.7			
161		Chiral			7.8	6.4	
162		Chiral			6.1	2.7	2.5
163		Chiral			13		
164		Chiral			2.2	4.2	5.1
165		Chiral			2.5	5.5	2.1
166		Chiral				6	

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Table I. Summary of the Results of the Various Tests.

167		Chiral	3.5	4		
168		Chiral	3.4	2.7		
169		Chiral	43			
170		Chiral		4.7		
171		Chiral	4.9	2.5	3.2	
172		Chiral		7.4		
173		Chiral		2	2.2	
174		Chiral				1.7
						8.3
						27

Table 1
Structure and Properties of Compounds 175-181

175		Chiral		5.6		1.7	37	21
176		Chiral		5.9				
177				9				
178				5.7				
179		Chiral		2.2	5.1		11	110
180		Chiral				9.3		
181		Chiral				15		

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Table I

Table 1
Chemical structures and λ_{max} values of compounds 189–195

		3.1	3.9		
189					
190		8.4	2.5	6.4	4.6
191				12	8.3
192				14	
193				8.1	
194				8.7	6.7
195				9.4	6.6
		68			

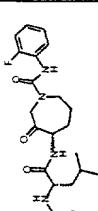
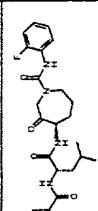
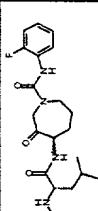
196		11	6.8			
197		4.1	3.1	2.3	8.4	
198		3.6		1.9	1.6	
199		5.6		2.3	2	
200		4.1		2.7	2.3	
201				10	7.6	
202					8.7	
203					20	

Table 1: ¹H NMR chemical shifts (δ) at 20 °C in CDCl₃-CD₃OD (1:1 v/v)

204		Chiral			4.5				
205		Chiral			3.2				
206		Chiral			5.2				
207		Chiral			6.6				
208		Chiral			10				
209		Chiral			10				
210		Chiral			10				
211		Chiral			10				
					4.9				
					5.4				
					4.2				
					8.9				
					6.6				
					2.8				

		Chiral					
212			7.7			1.7	
213		Chiral		7.1		0.77	
214		Chiral		7.4		1	
215				6.4	3.6		
216				6.9	3.4		
217				11	6.7		
218			3.1	5.4	2.3	3	
219				8.4	5.5		

Table 1. IC_{50} values of compounds 20–22.

20		3.9	8.7	4.2	
21		2	3	1.2	0.45
22				4.9	